

DRAINAGE DETAILS

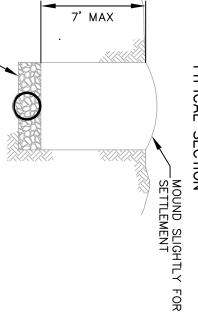
DETAIL OF GRAVITY FLOW SPRING

(NOT TO SCALE)

"COLLECTION"

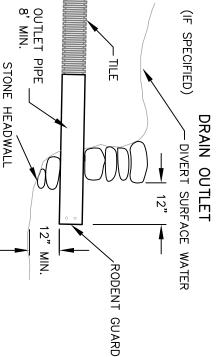
BOX

TYPICAL SECTION



2' MIN

GRAVEL BEDDING



RODENT GUARDS

光" ø HOLES DRILLED)AT 1一½" O.C. MIN. SIZE SHALL BE NO. 9 GALVANIZED WIRE. ALT. NO. 1

\$\\ \begin{align*} \pi_6" \times \text{ HOLES DRILLED} \\ \text{HORIZONTAL BARS} \\ \text{SHALL BE \$\mu''} \\ \text{GALVANIZED BOLTS.} \end{align*} ALT. NO. 2

OTHER ALTERNATIVE DESIGNS SHALL BE APPROVED BY THE TECHNICIAN PRIOR TO NSTALLATION. DIAMETER (IN.) PIPE 4 @ @ WIRES/BOLTS NUMBER

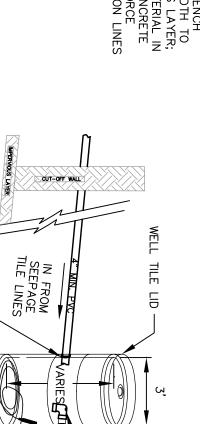
CONSTRUCTION NOTES

- THE TRENCH BOTTOM SHALL BE GROOVED TO PROVIDE SUPPORT FOR THE BOTTOM 1/3 OF THE PIPE WHEN FLEXIBLE PIPE IS INSTALLED. GRAVEL BEDDING MAY BE USED TO PROVIDE LATERAL SUPPORT FOR THE PIPE WHEN THE TRENCH BOTTOM CANNOT BE
- 5 ROUND PIPE PERFORATION SHALL BE $\frac{3}{4}6$ ". PLACE HOLES DOWN. SLOTS SHALL BE NO LONGER THAN 1-1/4".
- Ņ AS SOON AS PLACED AND INSPECTED THE PIPE SHALL BE HAND COVERED WITH LOOSE, FRIABLE MATERIAL FROM THE TRENCH SIDES, OR FILTER GRAVEL TO A DEPTH OF 6" OVER THE PIPE.
- DO NOT PUSH LARGE STONES INTO TRENCH

Ģ 4.

THE OUTLET PIPE SHALL BE RIGID AND NON-PERFORATED. PIPE SHALL BE USED IF THE HEADWALL IS CONCRETE OR II DISCHARGE IS INTO A DRAINAGE CHANNEL OR STREAM. METAL

POSITIVE CUT-OFF TRENCH EXCAVATE BUCKET WIDTH TO DEPTH OF IMPERVIOUS LAYER; COMPACT "CLAY" MATERIAL IN TRENCH OR BUILD CONCRETE CUT-OFF WALL TO FORCE WATER INTO COLLECTION LINES



_90° ELBOW WI PRE—CAST CONCRETE WELL TILES CAN BE ORDERED IN VARIOUS LENGTHS OF "RINGS" TO PROVIDE THE DESIRED DIMENSIONS. USED MATERIALS NOT ACCEPTABLE.
SEAL RINGS WITH MANUFACTURER'S RECOMMENDED MATERIALS. 로 OLE IN TOP RINGS WITH MANUFACTURER'S

INSTALL STRAINER/SCREEN ON INLET END OF WATER PIPE- SUSPEND END ABOVE FLOOR TO AVOID DEBRIS.

COIL EXTRA WATER LINE IN WELL TILES LONG ENOUGH TO PULL LINE UP AND OUT OF BOX TO SHUT SYSTEM DOWN AND PROTECT IN FREEZING WEATHER.

ORDER WELL TILES WITH "KNOCKOUT" SIZ FOR THE OUTSIDE DIAMTER OF THE PIPE. SEAL AROUND OPENING WITH HYDRAULIC CEMENT OR AN APPROVE EQUAL.

DEPTH OF WELL TILES DEPENDENT UPON DEPTH OF SPRING/SEEPS. WELL TILES CAN BE DEEPER IN GROUND TO PROVIDE MORE STORAGE; APPROX. 50 GALLONS PER L.F. OF 36" I.D. WELL

PLACE "WELL TILES" ON LEVEL SUBBASE OF CRUSHED STONE; BOTTOM OPTIONAL DEPENDING ON WATER SUPPLY AVAILABLE NOTE:

≤ <u>TERIALS</u>

MICS. FIXTURES, ELBOWS, VALVE	C.Y. of PS	C.Y. of inc	S.Y. of GE	L.F. of inc	L.F. of incl	L.F. of incl
MICS. FIXTURES, ELBOWS, VALVES, FITTINGS, etc. as needed not identified	PSI test CONCRETE— (optional pad)	inch Clean Bank Run Gravel or Stone	GEOTEXTILE- WOVEN FABRIC	inch HEAVY DUTY PE Water line (160 PSI)	inch PVC or HDPE (PERFORATED)	inch PVC or HDPE (NON-PERFORATED)

PRECAST CONCRETE WELL TILES— Meeting ASTM# C-75 AS NEEDED FOR DEPAND STORAGE REQUIREMENTS— SEE VT-574 FOR STORAGE REQUIREMENTS Ĭ

seperately.

ALL COMPONENTS, STRUCTURES AND APPURTENANCES AS PER MANUFACTURERS RECOMMENDATIONS OR AS PER NRCS STANDARDS AND SPECIFICATIONAS

REFERENCE SPECIFICATIONS— VERMONT STANDARDS 614, 574, 606, 620,

THE NRCS WILL NOT BE HELD RESPONSABLE FOR DAMAGE TO UTILITIES THAT OCCUR DURING THE INVESTIGATIONS OR CONSTRUCTION OPERATIONS. THE NATURAL RESOURCES CONSERVATION SERVICE MAKES NO REPRESENTATION AS TO THE LOCATION OR EXISTENCE OF PUBLIC OR PRIVATE UTILITIES IN THE VICINITY OF INVESTIGATIONS OR CONSTRUCTION OPERATIONS CONDUCTED THROUGH ITS PROGRAM.

IF YOU KNOW THE EXISTENCE OF UNDERGROUND UTILITIES IN THE VICINITY OF THE PROPOSED WORK AREA, PLEASE INFORM THE USDA NRCS SO THAT THE APPROPRIATE ACTION CAN BE IMPLEMENTED.

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NEW VERMONT DIG SAFE STATE LAW REQUIRES THE ANYONE WHO EXCAVATES WITHIN AN UNDERGROU
ASEMENT OR THE AREA OF A PUBLIC F
HOURS BEFORE DIGGING. THE UTILITIES
AND CABLE TELEVISION HAVE MANY MILES O
OUND FACILITIES AND MEET THE REQUIREME AW. THE UTILITIES HAVE ESTABLISHED A PL
HITY HUDERGROHUD FACHITY DAMAGE PREVENTION

SYSTEM CALLED "DIG SAFE" ONE FREE PHONE CALL
SYSTEM CALLED "DIG SAFE". ONE FREE PHONE CALL
THE CENTER SATISFIES THE LAW AS ALL MEMBER
UTILITIES WILL BE NOTHERD PRIOR TO THE START OF
DIGGING. SO CALL "DIG SAFE" BEFORE YOU DIG— AND 888-225-4977 AND BE 5

Name

CALL

SPRING DEVELOPMENT SSD/GRAVITY FLOW

HAZARD CLASS LOW JOB CLASS

Natural Resources Conservation Service United States Department of Agriculture

	Date
Designed	
Drawn	
Checked	
Approved by	
· ·	•

VERMONT